

CARLO GAVAZZI

CARLO GAVAZZI SPACE SpA

AMS02-PDS

DOC N°: PDS-RP-CGS-058

ISSUE : 1 DATE: 11/09/2008

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INSPECTION REPORT

APPLICABLE DOC. REF.

AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001
is. 1

PROC. REF.

N.A.

ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – Visual inspection of some Piggy Back Boards before partially conformal coating -- Inspection Point.

REQUIREMENT SATISFIED

Manufacturing according to aerospace standards

INSPECTION (Action/Results)

DESCRIPTION

Inspection was performed at Carlo Gavazzi Space premises starting on 11 September 2008 and was carried out on the following boards before partially conformal coating applied only on one layer, detail of the inspected boards were below reported:

- 1) PB2 FPGA BOARD ASSY p/n:11-AMS02PDS-710.00 s/n:07-038/H.
- 2) PB2 EMI FILTER BOARD ASSY p/n:11-AMS02PDS-720.00 s/n:07/018/D.
- 3) PB2 FRONT PANEL BOARD ASSY p/n:11-AMS02PDS-730.00 s/n:07/020/H.
- 4) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016/C.

HARDWARE REVIEW

1) PB2 FPGA Board Assy p/n:11-AMS02PDS-710.00 s/n:07-038/H, Assy:11-AMS02PDS-710.00 rev./, Parts List:11-AMS02PDS-710.01rev.A, Electrical Scheme:11-AMS02PDS-710.02 rev./, Master PCB:11-AMS02PDS-710.03 rev./.

The following PLVSs (Parts List Variation Sheet) were presented during the inspection:

- 11-AMS02PDS-710.01 rev A – A1 can be considered closed.
- 11-AMS02PDS-710.01 rev A – A2 can be considered closed.
- 11-AMS02PDS-710.01 rev A – A3 can be considered closed.
- 11-AMS02PDS-710.01 rev A – A6 can be considered closed.
- 11-AMS02PDS-710.01 rev A – A13 can be considered closed.
- 11-AMS02PDS-710.01 rev A – A14 can be considered closed.

The following NCRs were presented during the inspection:

- NCR-PDS-CGS-C-086(pull down MUX problem), NCR classified "minor" is closed.
- NCR-PDS-CGS-C-105(Schmitt trigger inverter damaged), NCR classified "minor" is closed.

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

Operator

Quality Assurance


C.C.

Signature

Date


E. FRANCINI
11/09/08

C. CINQUEPACCHI
C. Cinquepacci
24/13/8

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<p>INSPECTION (Action/Results)</p> <p>2) PB2 EMI FILTER BOARD ASSY p/n:11-AMS02PDS-720.00 s/n:07/018/D, Assy:11-AMS02PDS-720.00 rev./, Parts List:11-AMS02PDS-720.01 rev.A, Electrical Scheme:11-AMS02PDS-720.02 rev./, Master PCB:SPO-PD-020503-DR-03-CGS rev./.</p> <p>The following NCR was presented during the inspection:</p> <ul style="list-style-type: none"> NCR-PDS-CGS-C-018(electronic components assembly problems), NCR classified "minor" is closed. <p>The following PLVSs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> 11-AMS02PDS-720.01 rev A - A1 can be considered closed. 11-AMS02PDS-720.01 rev A - A2 can be considered closed. <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p> <p>3) PB2 FRONT PANEL BOARD ASSY p/n:11-AMS02PDS-730.00 s/n:07/020/H, Assy:11-AMS02PDS-730.00 rev.A, Parts List:11-AMS02PDS-730.01 rev.A, Electrical Scheme:11-AMS02PDS-730.02 rev.A, Master PCB:FSL-030141-DR-03-CGS rev./.</p> <p>The following PLVSs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> 11-AMS02PDS-730.01 rev A - A1 can be considered closed. 11-AMS02PDS-730.01 rev A - A2 can be considered closed. 11-AMS02PDS-730.01 rev A - A3 can be considered closed. 11-AMS02PDS-730.01 rev A - A4 can be considered closed. <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p>	
<p>Operator</p> <p>Signature</p> <p>Date</p>	<p>Quality Assurance</p> <p>C.C.</p> <p><i>E. FRANCINI</i></p> <p><i>11/09/08</i></p> <p><i>C. CINQUERACHI</i></p> <p><i>24/10/08</i></p>

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INSPECTION (Action/Results) <p>4) AUX DC/DC BOARD ASSY p/n:11-AMS02PDS-740.00 s/n:07-016/C, Assy:11-AMS02PDS-740.00 rev./, Parts List:11-AMS02PDS-740.01 rev./, Electrical Scheme:11-AMS02PDS-740.03 rev./, Master PCB:SPO-PD-020010-DR-03-CGS rev./.</p> <p>The following NCRs were presented during the inspection:</p> <ul style="list-style-type: none"> NCR-PDS-CGS-C-039(electrical connection missing), NCR classified "minor" is closed. NCR-PDS-CGS-C-044(OVC protection improvement), NCR classified "minor" is closed. <p>The following PLVSS (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> 11-AMS02PDS-740.01 rev / - A1 can be considered closed. 11-AMS02PDS-740.01 rev / - A2 can be considered closed. 11-AMS02PDS-740.01 rev / - A3 can be considered closed. 11-AMS02PDS-740.01 rev / - A4 can be considered closed. 11-AMS02PDS-740.01 rev / - A12 can be considered closed. 11-AMS02PDS-740.01 rev / - A14 can be considered closed. 11-AMS02PDS-740.01 rev / - A15 can be considered closed. 11-AMS02PDS-740.01 rev / - A18 can be considered closed. 11-AMS02PDS-740.01 rev / - A24 can be considered closed. <p>The H/W has been visually inspected and is ok: no damage, visible clean is ok.</p>										
<h3><u>CONCLUSION</u></h3> <p>All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08A and ECSS-Q-70-38A, all modifications are performed according to ECSS-Q-70-28A.</p>										
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 40%;">Operator</th> <th style="width: 30%;">Quality Assurance</th> <th style="width: 30%;">C.C.</th> </tr> </thead> <tbody> <tr> <td>Signature</td> <td>E. FRANCINI</td> <td>C. CINQUEPACCHI</td> </tr> <tr> <td>Date</td> <td>11/09/08</td> <td>26/3/8</td> </tr> </tbody> </table>		Operator	Quality Assurance	C.C.	Signature	E. FRANCINI	C. CINQUEPACCHI	Date	11/09/08	26/3/8
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